

Listing of Claims

Claims 1-40 (Canceled)

41. (Previously Presented) A method of imparting pathogen resistance to plants, the method comprising:

providing a transgenic plant seed transformed with a transgene comprising a DNA molecule encoding a hypersensitive response elicitor polypeptide or protein comprising an amino acid sequence of SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, or SEQ ID NO:7 and a promoter that is not pathogen-inducible, the promoter being operatively coupled to the DNA molecule encoding the hypersensitive response elicitor polypeptide or protein;

planting the transgenic plant seed in soil; and

propagating a plant from the planted seed, whereby expression of the hypersensitive response elicitor polypeptide or protein by the plant imparts systemic pathogen resistance to the plant.

Claims 42-48 (Canceled)

49. (Previously Presented) The method according to claim 41, wherein the plant is selected from the group consisting of dicots and monocots.

50. (Previously Presented) The method according to claim 49, wherein the plant is selected from the group consisting of rice, wheat, barley, rye, oats, cotton, sunflower, canola, peanut, corn, potato, sweet potato, bean, pea, chicory, lettuce, endive, cabbage, cauliflower, broccoli, turnip, radish, spinach, onion, garlic, eggplant, pepper, celery, carrot, squash, pumpkin, zucchini, cucumber, apple, pear, melon, strawberry, grape, raspberry, pineapple, soybean, tobacco, tomato, sorghum, and sugarcane.

51. (Previously Presented) The method according to claim 49, wherein the plant is selected from the group consisting of rose, *Saintpaulia*, petunia, *Pelargonium*, poinsettia, chrysanthemum, carnation, and zinnia.

52. (Canceled)

53. (Previously Presented) The method according to claim 41 further comprising:

applying the hypersensitive response elicitor polypeptide or protein to the plant to enhance the plant's pathogen resistance.

Claims 54-57 (Canceled)

58. (Original) A plant produced by the method of claim 41.

59. (Previously Presented) A transgenic plant seed from the plant produced by the method of claim 41, wherein the transgenic plant seed comprises the transgene.

60. (Original) A plant propagule from the plant produced by the method of claim 41.

61. (Previously Presented) A method of imparting pathogen resistance to plants, the method comprising:

transforming a plant with a transgene comprising a DNA molecule encoding a hypersensitive response elicitor polypeptide or protein comprising an amino acid sequence of SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, or SEQ ID NO:7 and a promoter that is not pathogen-inducible, the promoter being operatively coupled to the DNA molecule encoding the hypersensitive response elicitor polypeptide or protein, whereby said transforming provides for expression of the hypersensitive response elicitor polypeptide or protein that imparts systemic pathogen resistance to the plant.

Claims 62-68 (Canceled)

69. (Previously Presented) The method according to claim 61, wherein the transgenic plant is selected from the group consisting of dicots and monocots.

70. (Previously Presented) The method according to claim 69, wherein the plant is selected from the group consisting of rice, wheat, barley, rye, oats, cotton, sunflower, canola, peanut, corn, potato, sweet potato, bean, pea, chicory, lettuce, endive, cabbage, cauliflower, broccoli, turnip, radish, spinach, onion, garlic, eggplant, pepper, celery, carrot, squash, pumpkin, zucchini, cucumber, apple, pear, melon, strawberry, grape, raspberry, pineapple, soybean, tobacco, tomato, sorghum, and sugarcane.

71. (Previously Presented) The method according to claim 69, wherein the plant is selected from the group consisting of rose, Saintpaulia, petunia, Pelargonium, poinsettia, chrysanthemum, carnation, and zinnia.

72. (Canceled)

73. (Previously Presented) The method according to claim 61, further comprising:

applying the hypersensitive response elicitor polypeptide or protein to the transgenic plant to enhance the plant's pathogen resistance.

74. (Canceled)

75. (Previously Presented) A transgenic plant produced by a process comprising:

transforming a plant with a transgene comprising a DNA molecule encoding a hypersensitive response elicitor polypeptide or protein comprising an amino acid sequence of SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, or SEQ ID NO:7 and a promoter that is not pathogen-inducible, the promoter being operatively coupled to the DNA molecule encoding the hypersensitive response elicitor polypeptide or protein, whereby said transforming provides for expression of the hypersensitive response elicitor polypeptide or protein to impart systemic pathogen resistance to the transgenic plant.

76. (Previously Presented) A transgenic plant seed obtained from the transgenic plant of claim 75, wherein the transgenic plant seed comprises the transgene.

77. (Previously Presented) A transgenic plant propagule obtained from the transgenic plant of claim 75.

Claims 78-79 (Canceled)

80. (Previously Presented) The method according to claim 41, wherein the DNA molecule comprises a nucleotide sequence of SEQ ID NO:2, SEQ ID NO:4, SEQ ID NO:6, or SEQ ID NO:8.

81. (Canceled)

82. (Previously Presented) The method according to claim 61, wherein the DNA molecule comprises a nucleotide sequence of SEQ ID NO:2, SEQ ID NO:4, SEQ ID NO:6, or SEQ ID NO:8.

83. (Canceled)

84. (Previously Presented) The transgenic plant according to claim 75, wherein the DNA molecule comprises a nucleotide sequence of SEQ ID NO:2, SEQ ID NO:4, SEQ ID NO:6, or SEQ ID NO:8.

85. (Canceled)